



PAT MCCRORY
Governor

DONALD R. VAN DER VART
Secretary

MICHAEL SCOTT
Director

FEDEx GROUND

August 16, 2016

Zachary & Tiffany Hilton
268 Bynum Road
Lincolnton, North Carolina 28092

Re: **Water-Supply Well Sampling Results &
Health Risk Evaluation**
268 Bynum Road
Lincolnton, Lincoln County, North Carolina
NCN000410439

Dear Property Owners:

On May 23, 2016, the Tetra Tech, Inc. Superfund Technical Assessment & Response Team (Tetra Tech START) collected a groundwater sample from a water-supply well at a single family residence at the location noted above. The groundwater sample was submitted for laboratory analyses for select Volatile Organic Compounds (VOCs), Semi-VOCs, organochlorine pesticides, polychlorinated biphenyls, and metals. A summary of analytical results from the May 23, 2016 sampling event as reported by the Tetra Tech START appears in the attached Table 1 for your review.

Laboratory analyses of the groundwater sample collected from the onsite water-supply well on May 23, 2016 reported concentrations of barium, calcium, copper, iron, lead, magnesium, manganese, sodium, zinc, and tetrachloroethene. The reported concentrations of iron, manganese, and zinc are below the North Carolina Groundwater Quality Standards (15A NCAC 2L). The reported concentration of barium is below the United States Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for drinking water, and the concentrations of lead and copper are below the EPA MCL Action Levels for drinking water. **The reported concentration of tetrachloroethene exceeds the EPA MCL for drinking water.**

The data summarized above were used to conduct a Health Risk Evaluation (HRE) by Hanna Assefa of the Division of Waste Management (Division). I have enclosed a copy of the HRE and a portion of the laboratory report for your review. In addition, complete laboratory reports from the sampling event may be reviewed by accessing the Division's electronic records at the following web portal: <http://edocs.deq.nc.gov/WasteManagement/Search.aspx>

At the present time, I have been unable to reach you by telephone or electronic mail. On August 5, 2016, we sent you a copy of this letter and enclosures via USPS First Class Mail, but we have not heard from you. Please contact me at (704) 663-1699 as soon as possible so that I may answer your questions and inform you of potential resources that may assist in providing an alternative source of drinking water.

Sincerely,



George D. Adams, Engineer
Division of Waste Management, NCDEQ

Enclosures

ec: Scott Sneed
Lincoln County Environmental Health
ssneed@lincolncounty.org

Table 1. Sampling Data Summary

Lab Sample Number	Sample ID	Water-Supply Well Location	Date Sampled	Constituent (µg/L)									
				Ba	Ca	Cu	Fe	Pb	Mg	Mn	Na	Zn	PCE
92298690003	SSWW-GW-268 Bynum MS/MSD	268 Bynum Road	5/23/2016	6.4	247	54.2	126	4.6 J	476	8.1	1420 J	11.3	13.3

Ba = Barium
 Ca = Calcium
 Cu = Copper
 Fe = Iron
 Zn = Zinc

Pb = Lead
 Mg = Magnesium
 Mn = Manganese
 Na = Sodium
 PCE = Tetrachloroethene

J= Estimated Concentration
 µg/L = micrograms / Liter (~parts per billion)

August 5, 2016

MEMORANDUM

TO: George Adams
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant 
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
Southside Road Incident
268 Bynum Road
Lincolnton, Lincoln County
NONCD 000 40439

A water sample was collected from the subject well on May 23, 2016. The concentration of tetrachloroethene detected in the well water exceeds applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the health based North Carolina Groundwater Quality Standard (15A NCAC 2L)/ Interim Standard (IMAC). If the USEPA MCL and health-based North Carolina 2L/IMAC are not available, a health-based concentration is calculated. If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation, the water from this well is not suitable for drinking and cooking. The water from this well can be used for all other purposes listed above.** The table below compares detected contaminant concentrations with the applicable standards:

Sample #	Compound	Concentration (ug/L)	MCL (ug/l)	15A NCAC 2L(ug/l)	Calculated Health-based Concentration
92298690003	Tetrachloroethene	13.3	5	**	**
	Barium	6.4	2,000	**	**
	Calcium	247	*	*	*
	Copper	54.2	1,300	**	**
	Iron	126	*	**	300
	lead	4.6 J	15	**	**
	Magnesium	476	*	*	*
	Manganese	8.1	*	**	200
	Sodium	1420J	*	*	*
	Zinc	11.3	1,000	**	**

** Not Applicable

ug/L= Micrograms of contaminant per liter of water.

Shaded box indicates exceedance

ANALYTICAL RESULTS

Project: SOUTH SIDE WATER WELL
Pace Project No.: 92298690

Sample: SSWW-GW-268 BYNUM MS/MSD Lab ID: 92298690003 Collected: 05/23/16 11:58 Received: 05/23/16 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides Analytical Method: EPA 8081 Preparation Method: EPA 3510									
Aldrin	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	05/24/16 09:51	05/24/16 21:07	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	05/24/16 09:51	05/24/16 21:07	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	05/24/16 09:51	05/24/16 21:07	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	05/24/16 09:51	05/24/16 21:07	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	05/24/16 09:51	05/24/16 21:07	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	84	%	20-130		1	05/24/16 09:51	05/24/16 21:07	877-09-8	
Decachlorobiphenyl (S)	74	%	20-130		1	05/24/16 09:51	05/24/16 21:07	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3510									
PCB-1016 (Aroclor 1016)	ND	ug/L	0.50	0.50	1	05/24/16 09:51	05/24/16 22:52	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.50	0.50	1	05/24/16 09:51	05/24/16 22:52	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.50	0.50	1	05/24/16 09:51	05/24/16 22:52	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.50	0.50	1	05/24/16 09:51	05/24/16 22:52	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.50	0.50	1	05/24/16 09:51	05/24/16 22:52	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.50	0.50	1	05/24/16 09:51	05/24/16 22:52	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.50	0.50	1	05/24/16 09:51	05/24/16 22:52	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	79	%	10-132		1	05/24/16 09:51	05/24/16 22:52	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010A									
Aluminum	ND	ug/L	100	50.0	1	05/24/16 16:10	05/25/16 20:33	7429-90-5	
Antimony	ND	ug/L	5.0	3.9	1	05/24/16 16:10	05/25/16 20:33	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	05/24/16 16:10	05/25/16 20:33	7440-38-2	
Barium	6.4	ug/L	5.0	2.5	1	05/24/16 16:10	05/25/16 20:33	7440-39-3	
Beryllium	ND	ug/L	1.0	0.50	1	05/24/16 16:10	05/25/16 20:33	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	05/24/16 16:10	05/25/16 20:33	7440-43-9	
Calcium	247	ug/L	100	50.0	1	05/24/16 16:10	05/25/16 20:33	7440-70-2	

REPORT OF LABORATORY ANALYSIS

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06/28/16

ANALYTICAL RESULTS

Project: SOUTH SIDE WATER WELL

Pace Project No.: 92298690

Sample: SSWW-GW-268 BYNUM Lab ID: 92298690003 Collected: 05/23/16 11:58 Received: 05/23/16 13:10 Matrix: Water
MS/MSD

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP			Analytical Method: EPA 6010 Preparation Method: EPA 3010A						
Chromium	ND	ug/L	5.0 U	2.5	1	05/24/16 16:10	05/25/16 20:33	7440-47-3	
Cobalt	ND	ug/L	5.0 U	2.5	1	05/24/16 16:10	05/25/16 20:33	7440-48-4	
Copper	54.2	ug/L	5.0	2.5	1	05/24/16 16:10	05/25/16 20:33	7440-50-8	
Iron	126	ug/L	50.0	25.0	1	05/24/16 16:10	05/25/16 20:33	7439-89-6	
Lead	4.6 J	ug/L	5.0	2.5	1	05/24/16 16:10	05/25/16 20:33	7439-92-1	
Magnesium	476	ug/L	100	50.0	1	05/24/16 16:10	05/25/16 20:33	7439-95-4	
Manganese	8.1	ug/L	5.0	2.5	1	05/24/16 16:10	05/25/16 20:33	7439-96-5	
Nickel	ND	ug/L	5.0 U	2.5	1	05/24/16 16:10	05/25/16 20:33	7440-02-0	
Potassium	ND	ug/L	5000	2500	1	05/24/16 16:10	05/25/16 20:33	7440-09-7	
Selenium	ND	ug/L	10.0	5.0	1	05/24/16 16:10	05/25/16 20:33	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	05/24/16 16:10	05/25/16 20:33	7440-22-4	
Sodium	1420 J	ug/L	5000	500	1	05/24/16 16:10	05/25/16 20:33	7440-23-5	
Thallium	ND	ug/L	10.0 U	5.0	1	05/24/16 16:10	05/25/16 20:33	7440-28-0	
Vanadium	ND	ug/L	5.0 U	2.5	1	05/24/16 16:10	05/25/16 20:33	7440-82-2	
Zinc	11.3	ug/L	10.0	5.0	1	05/24/16 16:10	05/25/16 20:33	7440-66-6	
7470 Mercury			Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20 U	0.10	1	05/24/16 10:30	05/24/16 14:16	7439-97-6	
8270 MSSV Semivolatile Organic			Analytical Method: EPA 8270 Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.0 U	0.25	1	05/24/16 13:07	05/26/16 18:22	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	05/24/16 13:07	05/26/16 18:22	208-96-8	
Aniline	ND	ug/L	10.0	1.3	1	05/24/16 13:07	05/26/16 18:22	62-53-3	
Anthracene	ND	ug/L	10.0	0.14	1	05/24/16 13:07	05/26/16 18:22	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	05/24/16 13:07	05/26/16 18:22	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	05/24/16 13:07	05/26/16 18:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	05/24/16 13:07	05/26/16 18:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	05/24/16 13:07	05/26/16 18:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	05/24/16 13:07	05/26/16 18:22	207-08-9	
Benzoic Acid	ND	ug/L	50.0 U J	11.1	1	05/24/16 13:07	05/26/16 18:22	65-85-0	
Benzyl alcohol	ND	ug/L	20.0 U J	3.4	1	05/24/16 13:07	05/26/16 18:22	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0 U	1.3	1	05/24/16 13:07	05/26/16 18:22	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0 U	0.75	1	05/24/16 13:07	05/26/16 18:22	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0 U J	4.2	1	05/24/16 13:07	05/26/16 18:22	59-50-7	
4-Chloroaniline	ND	ug/L	20.0 U	3.4	1	05/24/16 13:07	05/26/16 18:22	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.7	1	05/24/16 13:07	05/26/16 18:22	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.5	1	05/24/16 13:07	05/26/16 18:22	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1.6	1	05/24/16 13:07	05/26/16 18:22	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	2.2	1	05/24/16 13:07	05/26/16 18:22	91-58-7	
2-Chlorophenol	ND	ug/L	10.0 U J	1.5	1	05/24/16 13:07	05/26/16 18:22	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0 U	2.1	1	05/24/16 13:07	05/26/16 18:22	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	05/24/16 13:07	05/26/16 18:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	05/24/16 13:07	05/26/16 18:22	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1.8	1	05/24/16 13:07	05/26/16 18:22	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1.2	1	05/24/16 13:07	05/26/16 18:22	95-50-1	

REPORT OF LABORATORY ANALYSIS

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Date: 06/01/2016 02:57 PM

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06/28/16

ANALYTICAL RESULTS

Project: SOUTH SIDE WATER WELL
Pace Project No.: 92298690

Sample: SSWW-GW-268 BYNUM MS/MSD Lab ID: 92298690003 Collected: 05/23/16 11:58 Received: 05/23/16 13:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,3-Dichlorobenzene	ND	ug/L	10.0	1.1	1	05/24/16 13:07	05/26/16 18:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1.2	1	05/24/16 13:07	05/26/16 18:22	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1.4	1	05/24/16 13:07	05/26/16 18:22	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	05/24/16 13:07	05/26/16 18:22	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1.3	1	05/24/16 13:07	05/26/16 18:22	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	2.2	1	05/24/16 13:07	05/26/16 18:22	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1.5	1	05/24/16 13:07	05/26/16 18:22	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	05/24/16 13:07	05/26/16 18:22	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.7	1	05/24/16 13:07	05/26/16 18:22	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	6.5	1	05/24/16 13:07	05/26/16 18:22	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1.2	1	05/24/16 13:07	05/26/16 18:22	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1.7	1	05/24/16 13:07	05/26/16 18:22	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.86	1	05/24/16 13:07	05/26/16 18:22	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.85	1	05/24/16 13:07	05/26/16 18:22	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	05/24/16 13:07	05/26/16 18:22	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	05/24/16 13:07	05/26/16 18:22	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1.8	1	05/24/16 13:07	05/26/16 18:22	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1.1	1	05/24/16 13:07	05/26/16 18:22	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.8	1	05/24/16 13:07	05/26/16 18:22	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.5	1	05/24/16 13:07	05/26/16 18:22	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	05/24/16 13:07	05/26/16 18:22	193-39-5	
Isophorone	ND	ug/L	10.0	1.8	1	05/24/16 13:07	05/26/16 18:22	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	0.32	1	05/24/16 13:07	05/26/16 18:22	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	05/24/16 13:07	05/26/16 18:22	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.7	1	05/24/16 13:07	05/26/16 18:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.7	1	05/24/16 13:07	05/26/16 18:22		
Naphthalene	ND	ug/L	10.0	0.34	1	05/24/16 13:07	05/26/16 18:22	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.8	1	05/24/16 13:07	05/26/16 18:22	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.4	1	05/24/16 13:07	05/26/16 18:22	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.5	1	05/24/16 13:07	05/26/16 18:22	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.7	1	05/24/16 13:07	05/26/16 18:22	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1.7	1	05/24/16 13:07	05/26/16 18:22	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	5.8	1	05/24/16 13:07	05/26/16 18:22	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1.3	1	05/24/16 13:07	05/26/16 18:22	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	2.1	1	05/24/16 13:07	05/26/16 18:22	921-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.3	1	05/24/16 13:07	05/26/16 18:22	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	2.3	1	05/24/16 13:07	05/26/16 18:22	87-86-5	
Phenanthrene	ND	ug/L	10.0	0.22	1	05/24/16 13:07	05/26/16 18:22	85-01-8	
Phenol	ND	ug/L	10.0	1.7	1	05/24/16 13:07	05/26/16 18:22		
Pyrene	ND	ug/L	10.0	0.19	1	05/24/16 13:07	05/26/16 18:22	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.9	1	05/24/16 13:07	05/26/16 18:22	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	2.2	1	05/24/16 13:07	05/26/16 18:22	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.9	1	05/24/16 13:07	05/26/16 18:22	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	29	%	21-110		1	05/24/16 13:07	05/26/16 18:22	4165-60-0	1g

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06/28/16

ANALYTICAL RESULTS

Project: SOUTH SIDE WATER WELL

Pace Project No.: 92298690

Sample: **SSWW-GW-268 BYNUM** Lab ID: **92298690003** Collected: 05/23/16 11:58 Received: 05/23/16 13:10 Matrix: Water
MS/MSD

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic			Analytical Method: EPA 8270 Preparation Method: EPA 3510						
Surrogates									
2-Fluorobiphenyl (S)	31	%	27-110		1	05/24/16 13:07	05/26/16 18:22	321-60-8	
Terphenyl-d14 (S)	44	%	31-107		1	05/24/16 13:07	05/26/16 18:22	1718-51-0	
Phenol-d6 (S)	9	%	10-110		1	05/24/16 13:07	05/26/16 18:22	13127-88-3	SO
2-Fluorophenol (S)	15	%	12-110		1	05/24/16 13:07	05/26/16 18:22	367-12-4	
2,4,6-Tribromophenol (S)	26	%	27-110		1	05/24/16 13:07	05/26/16 18:22	118-79-6	SO
8260 MSV Low Level			Analytical Method: EPA 8260						
Acetone	ND	ug/L	25.0	10.0	1		05/26/16 21:16	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		05/26/16 21:16	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		05/26/16 21:16	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/26/16 21:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/26/16 21:16	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/26/16 21:16	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/26/16 21:16	74-83-9	M1
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/26/16 21:16	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/26/16 21:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/26/16 21:16	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/26/16 21:16	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		05/26/16 21:16	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/26/16 21:16	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		05/26/16 21:16	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		05/26/16 21:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		05/26/16 21:16	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/26/16 21:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/26/16 21:16	108-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/26/16 21:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/26/16 21:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		05/26/16 21:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/26/16 21:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		05/26/16 21:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/26/16 21:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		05/26/16 21:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/26/16 21:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/26/16 21:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/26/16 21:16	156-80-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/26/16 21:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		05/26/16 21:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		05/26/16 21:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		05/26/16 21:16	563-58-6	M1
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/26/16 21:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/26/16 21:16	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		05/26/16 21:16	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/26/16 21:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		05/26/16 21:16	87-68-3	

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ANALYTICAL RESULTS

Project: SOUTH SIDE WATER WELL
Pace Project No.: 92298690

Sample: SSWW-GW-268 BYNUM MS/MSD Lab ID: 92298690003 Collected: 05/23/16 11:58 Received: 05/23/16 13:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level									
Analytical Method: EPA 8260									
2-Hexanone	ND	ug/L	5.0	0.46	1		05/26/16 21:16	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		05/26/16 21:16	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		05/26/16 21:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/26/16 21:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		05/26/16 21:16	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		05/26/16 21:16	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		05/26/16 21:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/26/16 21:16	830-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/26/16 21:16	79-34-5	
Tetrachloroethene	13.3	ug/L	1.0	0.46	1		05/26/16 21:16	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		05/26/16 21:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		05/26/16 21:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		05/26/16 21:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/26/16 21:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/26/16 21:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/26/16 21:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/26/16 21:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/26/16 21:16	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/26/16 21:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/26/16 21:16	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/26/16 21:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/26/16 21:16	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/26/16 21:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/26/16 21:16	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		05/26/16 21:16	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/26/16 21:16	2037-26-5	

Handwritten signature and date:
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783837352673

Ship date:

Tue 8/16/2016

Actual delivery:

Wed 8/17/2016 1:32 pm

Mooresville, NC US

Delivered
Signature not required

LINCOLNTON, NC US

Travel History

Date/Time	Activity	Location
- 8/17/2016 - Wednesday		
1:32 pm	Delivered Left at front door. Signature Service not requested.	LINCOLNTON, NC
7:55 am	On FedEx vehicle for delivery	NEWTON, NC
3:42 am	At local FedEx facility	NEWTON, NC
- 8/16/2016 - Tuesday		
7:35 pm	Arrived at FedEx location	NEWTON, NC
4:25 pm	Picked up	NEWTON, NC
12:26 pm	In FedEx possession Tendered at FedEx location	NEWTON, NC
12:26 pm	Shipment information sent to FedEx	
12:05 pm	In FedEx possession Tendered at FedEx location	MOORESVILLE, NC

Shipment Facts

Tracking number	783837352673	Service	FedEx Home Delivery
Weight	0.1 lbs / 0.05 kgs	Total pieces	1
Terms	Third Party	Packaging	Package
Standard transit	8/17/2016		


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Status:	Delivered	Delivery location:	268 BYNUM RD Lincolnton, NC 28092
Signed for by:	Signature not required	Delivery date:	Aug 17, 2016 13:32
Service type:	FedEx Home Delivery		
Special Handling:			

NO SIGNATURE REQUIRED

Proof-of-delivery details appear below; however, no signature is available for this FedEx Ground shipment because a signature was not required.

Shipping Information:

Tracking number:	783837352673	Ship date:	Aug 16, 2016
		Weight:	0.1 lbs/<.1 kg

Recipient:

Zachary & Tiffany Hilton
Zachary & Tiffany Hilton
268 BYNUM RD
LINCOLNTON, NC 28092 US

Shipper:

George Adams
NC Enviromental Quality
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Mooresville, NC 28115 US

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